

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application, where added material is shown in underlined type, deleted material is shown in ~~strikeout type~~:

Listing of Claims:

- Sub B1
1. (currently amended): A digital video display device, comprising:
- a navigation unit operative to provide ~~isolate~~ an input video signal from a digital media element;
 - a video unit operative to process said input video signal such that said input video signal is converted into a filtered digital video signal that can be displayed on a progressive display device, said video unit comprising:
 - a decoder operative to separate said input video signal into a plurality of frames, each frame containing at least two ~~a series of~~ fields; and
 - a video display module for processing each frame of said digital video signal, comprising a detection unit ~~operative to determine the type of processing to be performed on said input video signal based on information contained within each of said plurality of frames~~ for detecting if a current frame matches an entry in a look-up table and for specifying a first type of processing if there is a match and for specifying a second type processing if there is not a match; and a processing unit operative to perform on said current frame the processing specified by said detection unit.
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2. (currently amended): The ~~system~~ device of Claim 1, wherein said digital media element is a digital versatile disk (DVD) inserted into said navigation unit ~~said video display module further includes a processing unit operative to provide a filtered digital video frame signal based on said fields.~~

3. (canceled).

4. (currently amended): The system device of Claim 1, wherein said ~~detection unit~~ ~~is operative to determine the second type of processing~~ comprises generating said current frame from to be performed on a video frame signal based on the field data of a predetermined number of prior video frames and said video current frame signal.

5. (currently amended): The system device of Claim 4, wherein said predetermined number of prior ~~video~~ frames is three.

6. (currently amended): The system device of Claim 1 2, wherein said first type of processing unit further comprises a first processing module operative to provide providing either a digital video frame that is a concatenation of said fields of an input data frame, and a second processing module operative to provide a digital video or a frame containing field segments having values based on adjacent field segments as specified by said look-up table entry.

7. (canceled).

8. (original): A digital video display system, comprising:

- a navigation module operative to isolate an input video signal present in a digital medium;
- a decoder operative to separate said input video signal into a plurality of video frames;
- a detection module operative to detect the type of processing to be performed on said video frame, said detection module including a table which provides the type of processing to be performed on said video frame in response to the current video frame position; and
- a processing module operative to provide a filtered video frame in response to information contained in said table, wherein said filtered video frame is capable of being displayed on a progressive display device.

9. (original): The system of Claim 8, wherein said processing module further comprises a first module operative to provide a video frame signal that is a concatenation of the fields of an

input video frame, and a second module operative to provide a video frame signal containing field segments having values based on the values of adjacent field segments.

10. (original): The system of Claim 8, wherein said detection module is operative to determine the type of processing to be performed on said video frame based on field data of a predetermined number of prior video frames and said video frame.

11. (original): The system of Claim 10, wherein the predetermined number of prior video frames is three.

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12. (currently amended): A video signal processing method, comprising the steps of:
(a) obtaining current video information from an input video signal;
(b) detecting the current frame delimiter from said input video signal;
(c) determining whether said current frame is within a predetermined time interval;
(d) determining the type of processing to be performed on said current frame from a corresponding data table; and
(e) generating a video frame in response to predetermined parameters in said data table.

13. (original): The processing method of Claim 12, wherein said predetermined parameters are frame dependent.

14. (original): A method of processing a video signal to remove artifacts, comprising the steps of:

(a) separating a video image frame into its component fields;
(b) determining which of said component fields is the first component field;
(c) discarding the second component field of said video image frame; and
(d) generating a combined video image frame signal based only on said first component field;

wherein each component field comprises a plurality of pixel lines.

*obvious?
inherent?*

15. (original): The method of Claim 14, wherein step (d) comprises the steps of:

~~(d1) separating said first component field into alternating pixel lines;~~

(d2) generating a pixel line having a value comprising the average of each adjacent pair of said ~~alternating~~ pixel lines; and

(d3) providing said generated pixel line between said ~~alternating~~ corresponding adjacent pair of pixel lines.

16. (new) The device of Claim 1, wherein said detection unit is operative to determine the type of processing to be performed on a predetermined video frame signal based on a selection by a user of said digital video display device.